


Focus Occupation: Mechanical Engineers (17-2141)



Focus occupation: Mechanical Engineers

Employment and Growth	326/ 6.2%
Ave. Monthly Wage	\$9,875
Education/Experience	Bachelor's degree




Advance FROM Focus Occupation

Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Architectural and Engineering Managers (11-9041) 	3	474/ 6.3%	BA/5 plus yrs	71
Petroleum Engineers (17-2171)	3	547/ 10.5%	BA	88
Aerospace Engineers (17-2011)	2	45/ 7.1%	BA	100
Materials Engineers (17-2131)	1	66/ 11.9%	BA	95

Transfer TO and FROM Focus Occupation

Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Civil Engineers  (17-2051)	0	796/ 8.2%	BA	84
Electrical Engineers (17-2071)	0	285/ 7.5%	BA	81
Engineers, All Other  (17-2199)	0	1,046/ 6.8%	BA	95

Advance TO Focus Occupation

Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Industrial Engineers (17-2112)	-1	28/ 7.7%	BA	73
Marine Engineers and Naval Architects (17-2121)	-1	n/a	BA	87
Aerospace Engineering and Operations Technicians (17-3021)	-2	29/ 16.0%	AA	72
Commercial and Industrial Designers (27-1021)	-2	31/ 6.9%	BA	83
First-Line Supervisors of Mechanics, Installers, and Repairers  (49-1011)	-2	789/ 9.3%	HS/1-5 yrs	74
Electrical and Electronic Engineering Technicians  (17-3023)	-3	556/ 7.5%	AA	75
Mechanical Engineering Technicians  (17-3027)	-4	86/ 10.3%	AA	77
Industrial Engineering Technicians (17-3026)	-5	58/ 11.5%	AA	87

Important note: A worker does not necessarily have to traverse every rung to advance to or from the focus occupation. Occupations above and below the focus occupation are directly related to the focus occupation, but they are not necessarily directly related to each other. For example, actors and athletes are both related to agents of artists, performers, and athletes, but actors and athletes are not directly related to each other.

Analysis and development of the career lattice is by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Data sources used for research and analysis: O*NET (Occupation Information Network), Alaska Occupational Data Base (ODB), Standard Occupational Classification Manual, North American Industry Classification System manual, Bureau of Labor Statistics Occupational Employer Survey (OES) wage estimates.